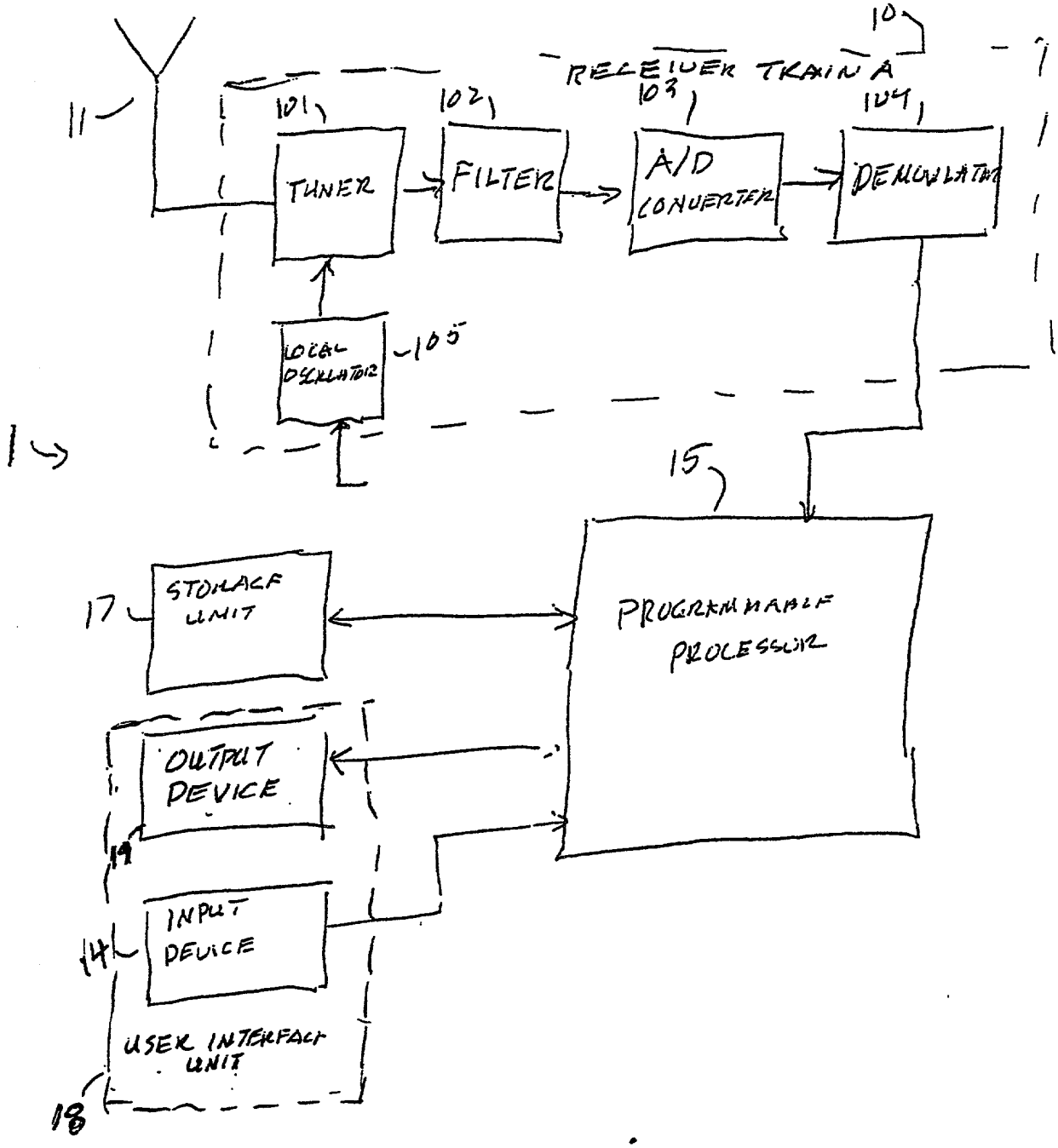
10
RECEIVER TRAIN A
11
101
102
103
104
TUNER
FILTER
A/D CONVERTER
DEMODULATOR
LOCAL OSCILLATOR
105
1
15
17
STORAGE UNIT
PROGRAMMABLE PROCESSOR
OUTPUT DEVICE
19
INPUT DEVICE
14
USER INTERFACE UNIT
18

Fig. 1

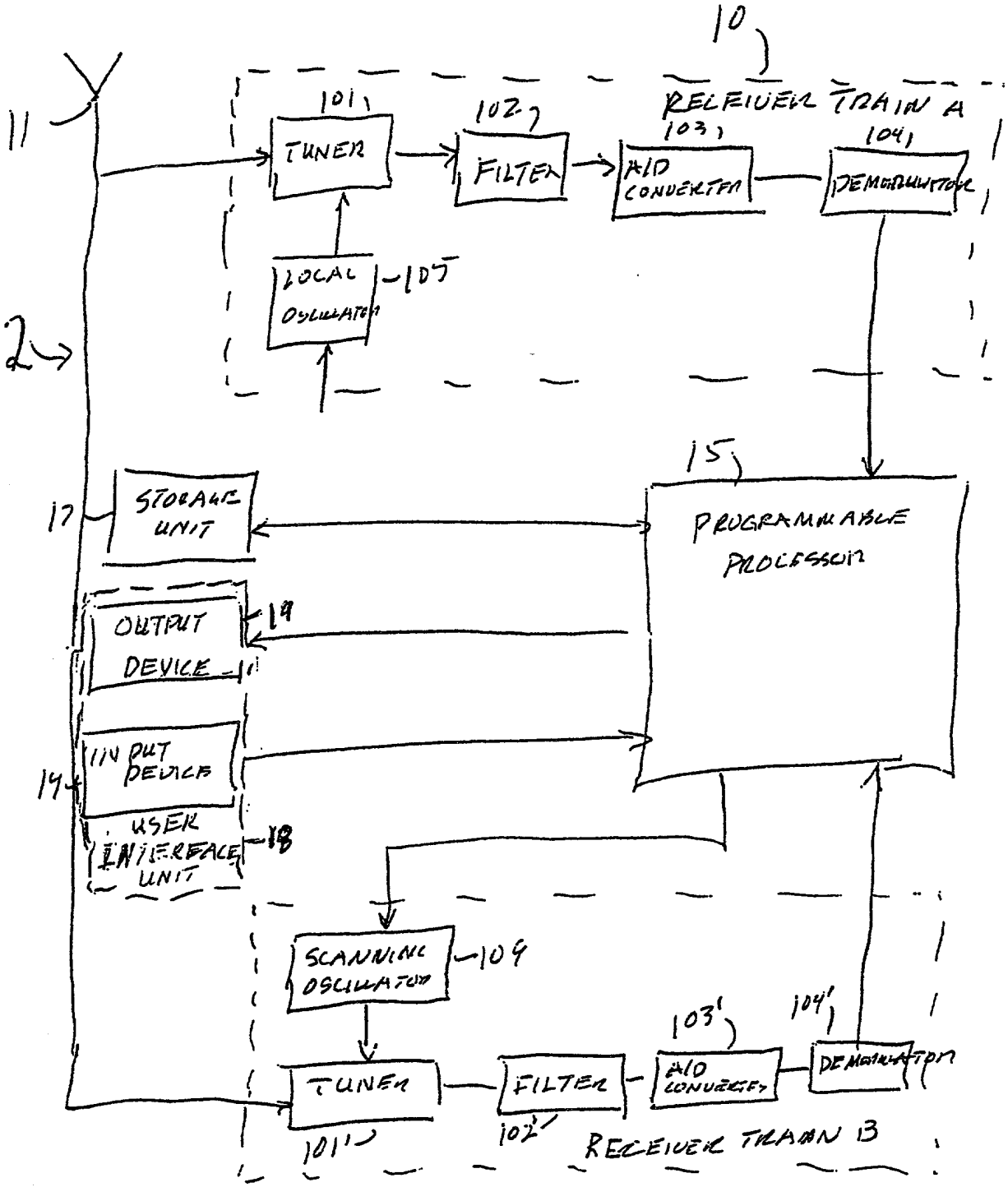
10
11
101
TUNER
102
FILTER
103
A/D CONVERTER
104
DEMODULATOR
RECEIVER TRAIN A
LOCAL OSCILLATOR
105
2
15
17
STORAGE UNIT
PROGRAMMABLE PROCESSOR
OUTPUT DEVICE
19
INPUT DEVICE
14
USER INTERFACE UNIT
18
SCANNING OSCILLATOR
109
103'
104'
TUNER
FILTER
A/D CONVERTER
DEMODULATOR
101'
102'
RECEIVER TRAIN B

Fig. 2

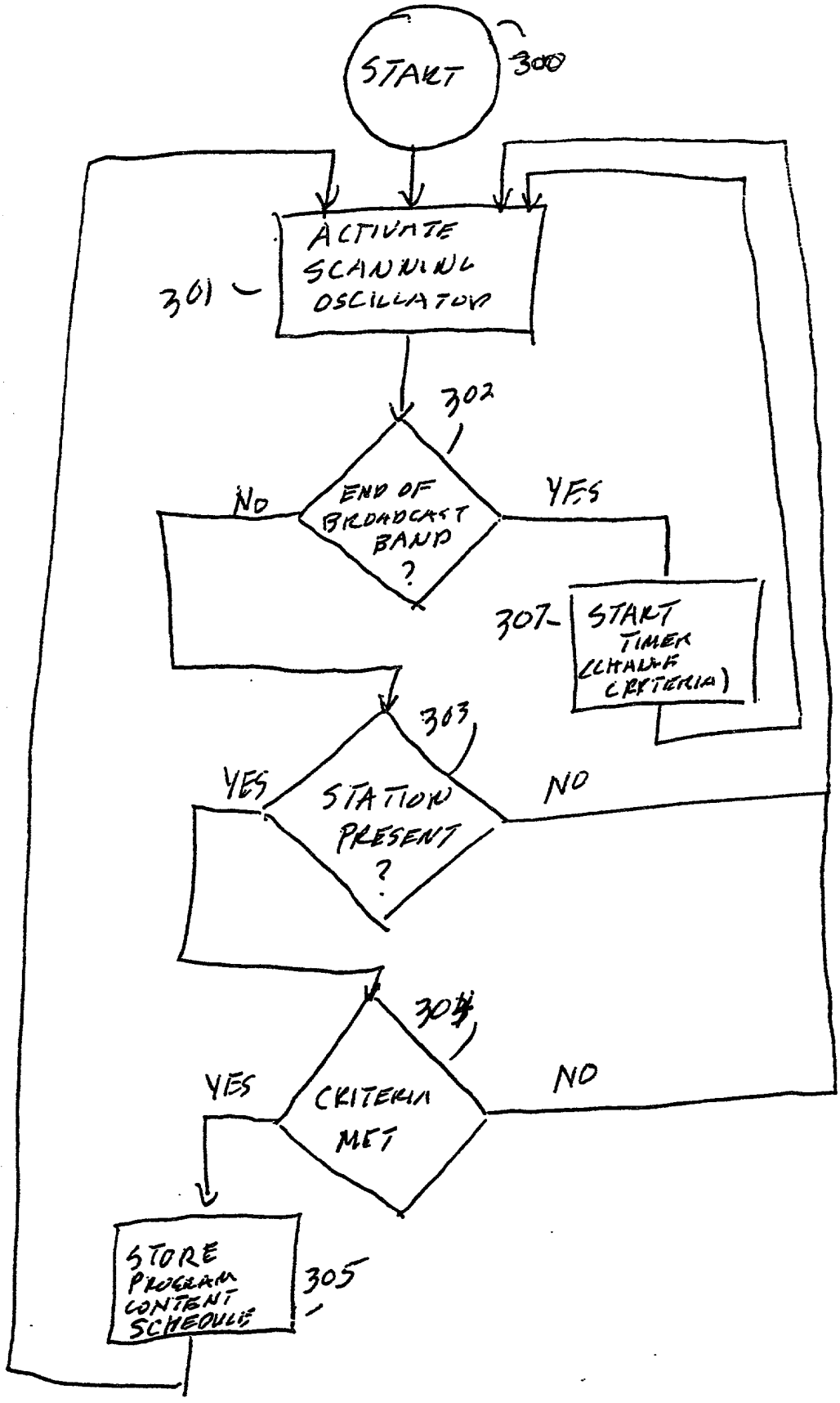
START
300
ACTIVATE SCANNING OSCILLATOR
301
302
END OF BROADCAST BAND ?
NO
YES
307
START TIMER (CHANGE CRITERIA)
303
STATION PRESENT ?
YES
NO
304
CRITERIA MET
YES
NO
STORE PROGRAM CONTENT SCHEDULE
305

Fig. 3

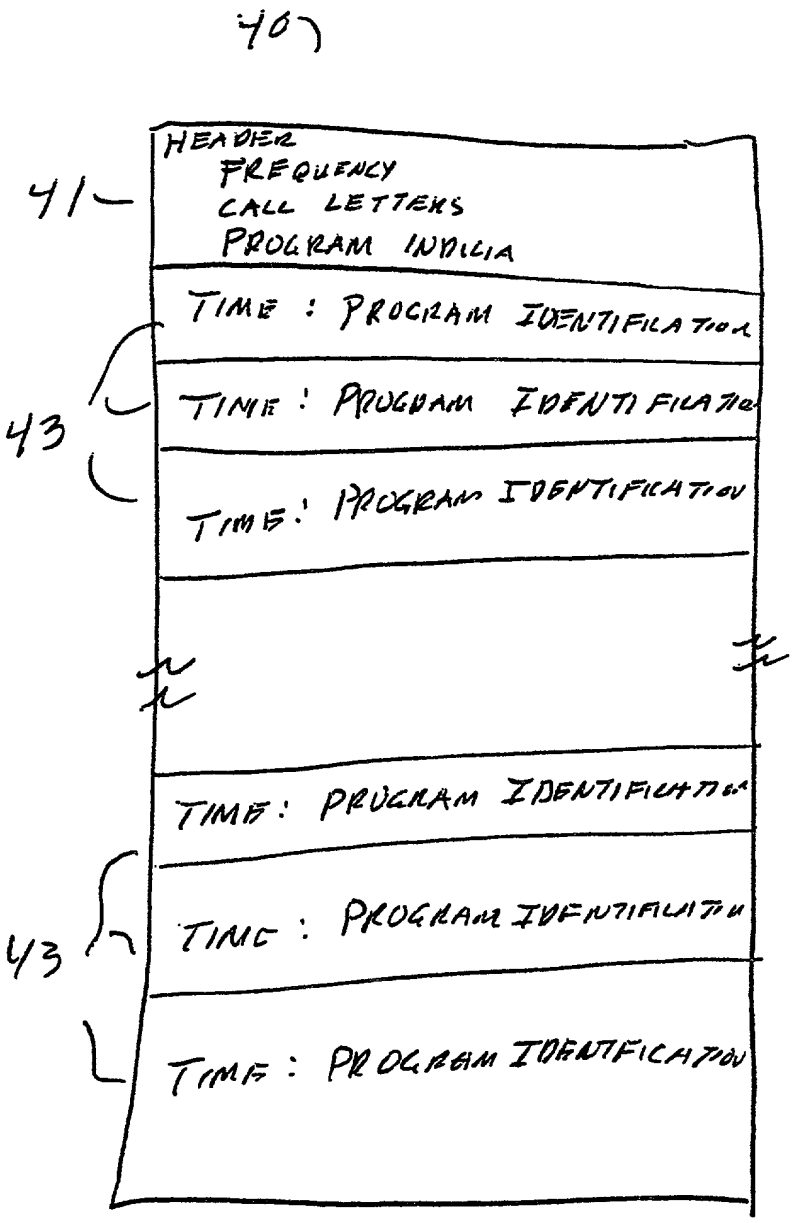
40
41
HEADER
FREQUENCY
CALL LETTERS
PROGRAM INDICIA
43
TIME : PROGRAM IDENTIFICATION
TIME : PROGRAM IDENTIFICATION
TIME : PROGRAM IDENTIFICATION
TIME : PROGRAM IDENTIFICATION
43
TIME : PROGRAM IDENTIFICATION
TIME : PROGRAM IDENTIFICATION

Fig. 4

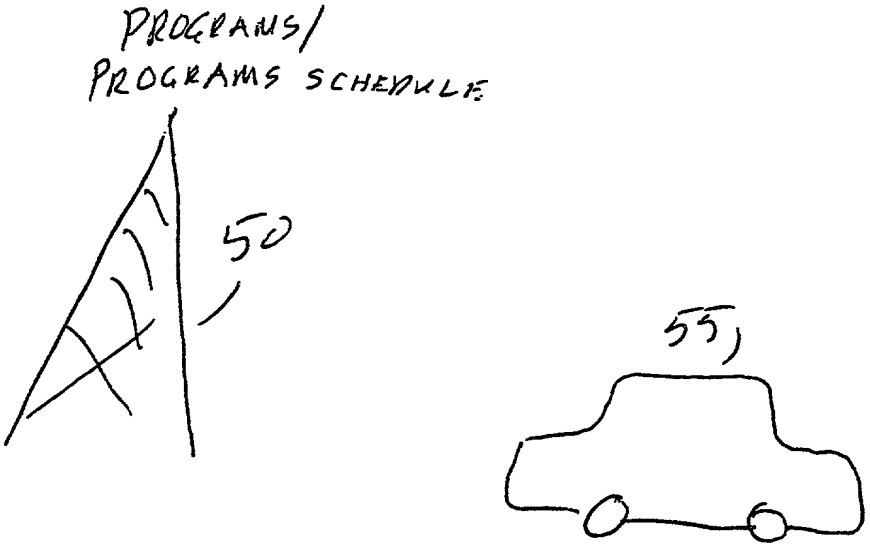

Fig. 5A

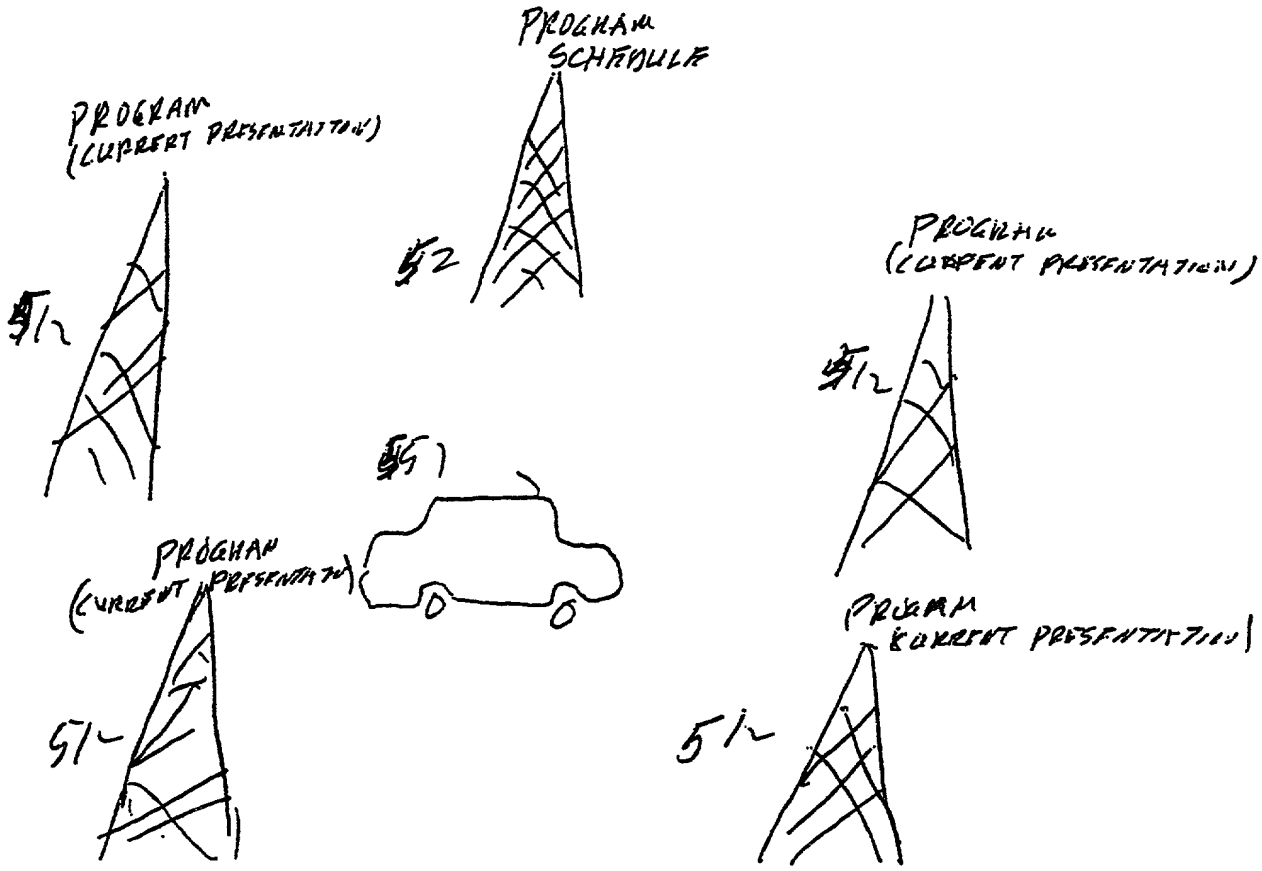
PROGRAM
(CURRENT PRESENTATION)
51
PROGRAM
SCHEDULE
52
PROGRAM
(CURRENT PRESENTATION)
51
55
PROGRAM
(CURRENT PRESENTATION)
51
PROGRAM
(CURRENT PRESENTATION)
51

Fig. 5A

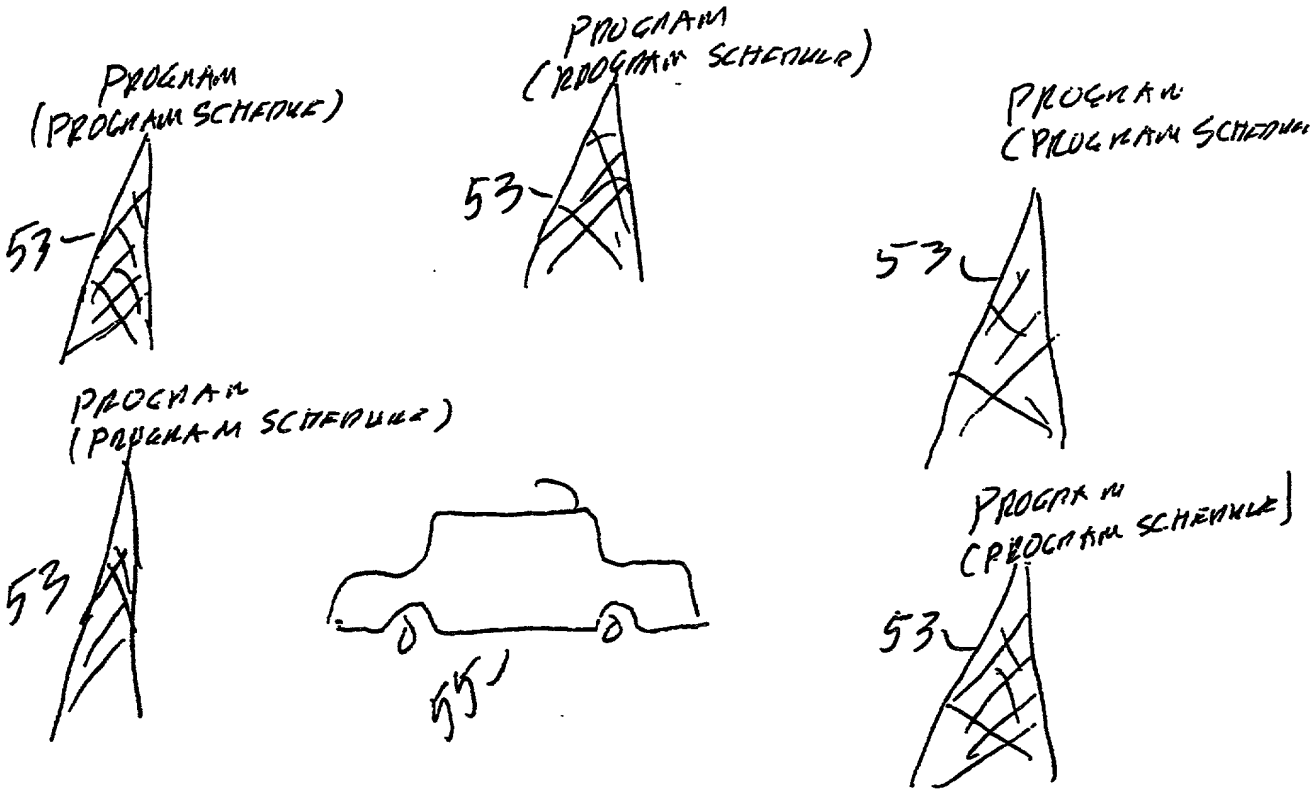
PROGRAM
(PROGRAM SCHEDULE)
53
PROGRAM
(PROGRAM SCHEDULE)
53
PROGRAM
(PROGRAM SCHEDULE)
53
PROGRAM
(PROGRAM SCHEDULE)
53
55
PROGRAM
(PROGRAM SCHEDULE)
53

Fig. 5B

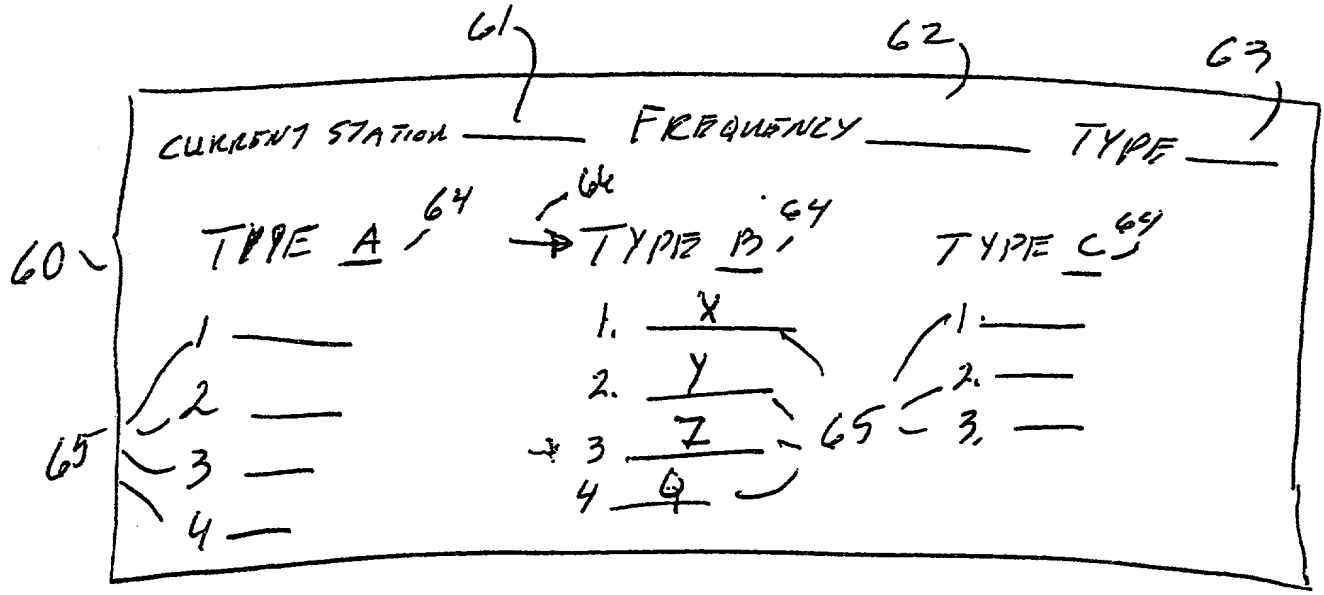
61
62
63
CURRENT STATION
FREQUENCY
TYPE
60
TYPE A
64
66
TYPE B
64
TYPE C
64
1
2
3
4
65
1. X
2. Y
3 Z
4 Q
65
1
2
3

Fig. 6A

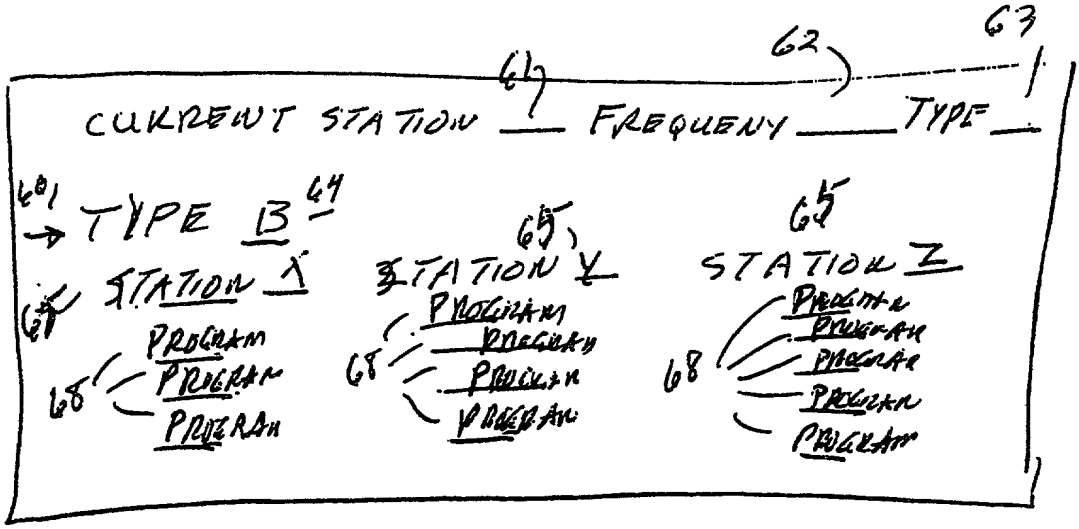
63
62
61
CURRENT STATION
FREQUENY
TYPE
61
TYPE B
64
STATION 1
PROGRAM
PROGRAM
PROGRAM
68
65
STATION Y
PROGRAM
PROGRAM
PROGRAM
PROGRAM
68
65
STATION Z
PROGRAM
PROGRAM
PROGRAM
PROGRAM
PROGRAM
68

Fig. 6B

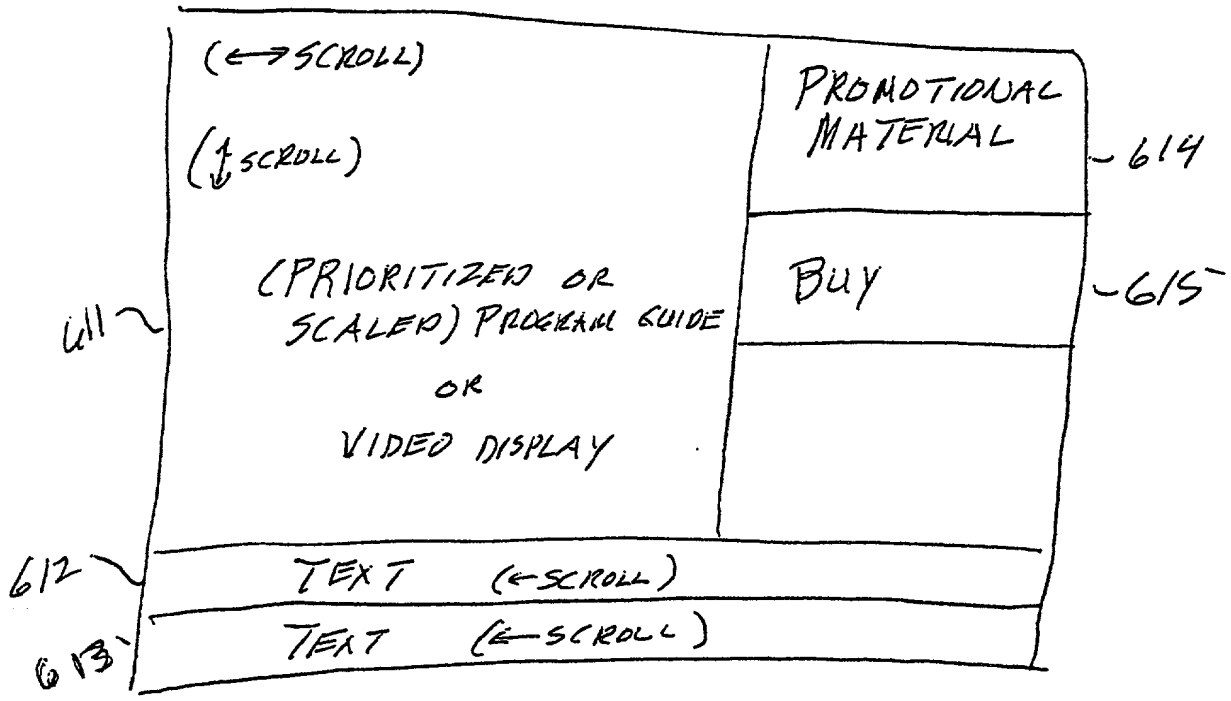

Fig. 6C

EDS0820 25.2.20060

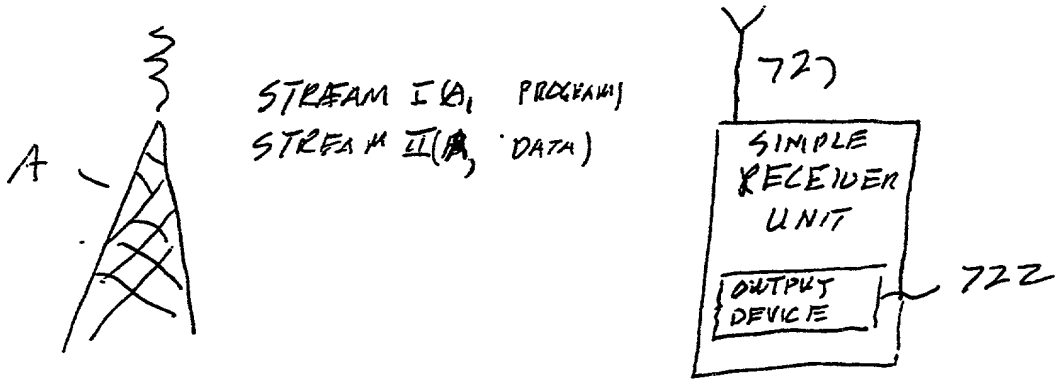
A
STREAM I (A, PROGRAM)
STREAM II (A, DATA)
72
SIMPLE RECEIVER UNIT
OUTPUT DEVICE
722

Fig. 7A

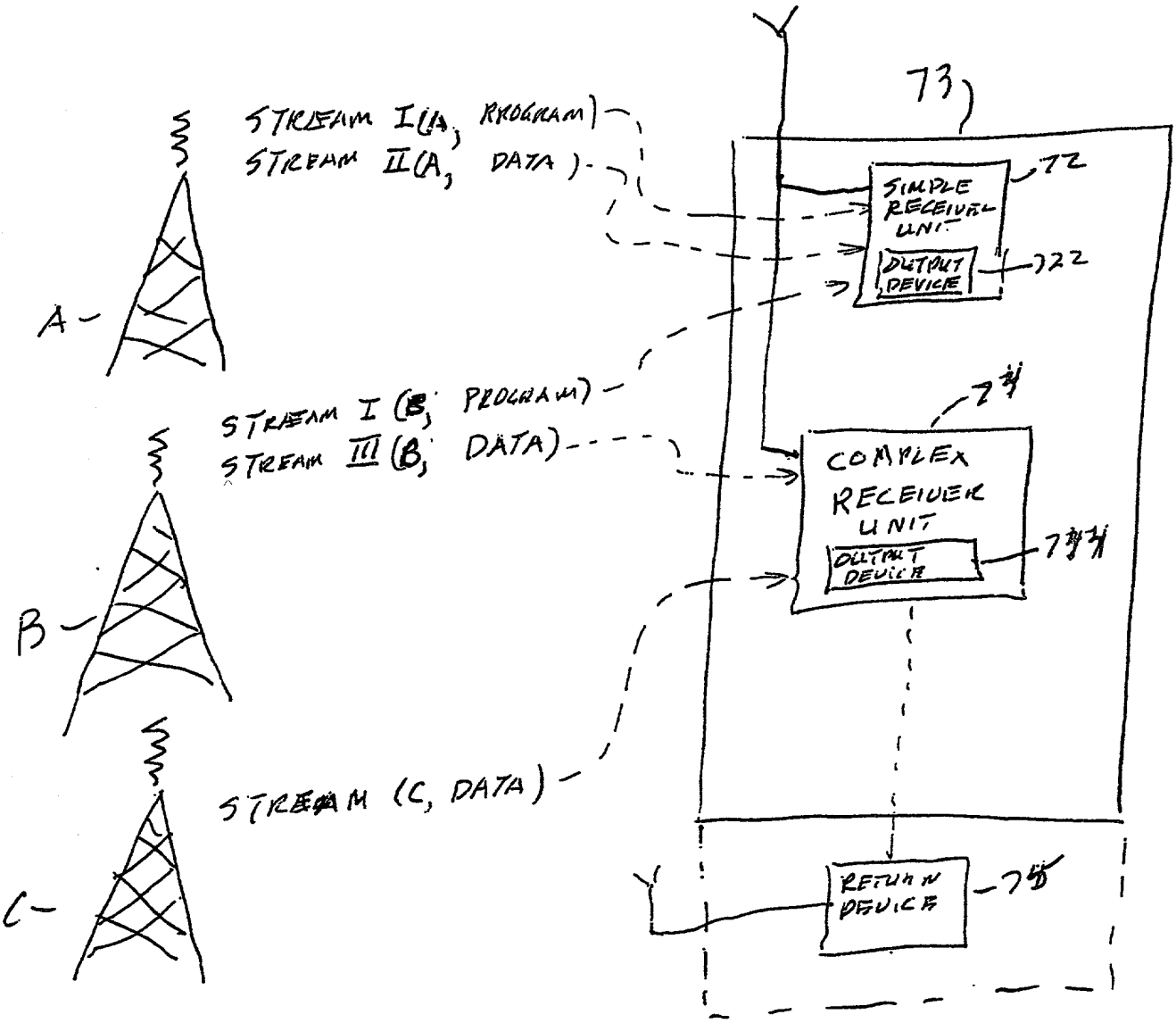
A
B
C
STREAM I (A, PROGRAM)
STREAM II (A, DATA)
STREAM I (B, PROGRAM)
STREAM III (B, DATA)
STREAM (C, DATA)
73
SIMPLE RECEIVER UNIT
OUTPUT DEVICE
722
COMPLEX RECEIVER UNIT
OUTPUT DEVICE
RETURN DEVICE

Fig. 7B